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TITLE OF THE INVENTION

Permanent apparatus

CLAIM FOR THE UTILITY MODEL REGISTRATION

(1)

The permanent apparatus including said oxidizing agent having come out outside of stock work barrel after adhesion formed the ring cause agent which added an alkaline agent to ammonium salts of the thioglycollic acid in the surface of reticular barrel, and the oxidizing agent such as bromic acid salines was disposed inside of above stock work barrel, and an above ring cause agent was used.

(2)

It is description permanent apparatus in claim of utility model Clause 1 where foraminiferous barrel is made for anchoring in a pipe of the reticular barrel, and inside and outside double pipe is formed, and the rotatable barrel container is provided to the hoop direction of the barrel, and the aperture which it is equal to an aperture of said foraminiferous barrel, and communicates with a surface of said barrel container is provided in the inside of said wall barrel, and said barrel container is turned to the hoop direction, and the aperture of said barrel container is blocked up with wall surface of said foraminiferous barrel, and oxidizing agent with the aqueous solution of the bromic acid saline is delivered with compression condition in said barrel container, and it is.

(3)

Permanent apparatus as claimed in claim of utility model Clause 1 that reticular barrel was made by synthetic resin or metal reticular barrel, and each mesh of said reticular barrel was blocked up with a ring cause agent, and made said ring cause agent adhesion /

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one in net face.

(4)

Permanent apparatus as claimed in claim of utility model Clause 2 that is the aperture that foraminiferous barrel is barrel having a large number of ostium, and the aperture of the barrel container surface is also equal to said ostium.

3.

DETAILED DESCRIPTION OF THE INVENTION

INDUSTRIAL APPLICATION FIELD

The present invention concerns permanent apparatus to form a permanent wave, in particular, the reducing agent, reductant (in other words, permanent agent / aqua) in a cold wave used as formation method of the permanent wave currently is unified in rod face and the permanent apparatus which made oxidizing agent maintained inside of the rod is related to.

PRIOR ART

It is performed regardless of sex widely today to wear permanent.

Also, the permanent creates natural waves from object to fix the conventional feminine hairstyle beautifully, and the people obtaining condition of more natural hair increase.

However, an extended period is required, and it is that it is difficult to find out this time for the busy present person to wear permanent.

Even more particularly, because is said that the permanent is worn only to a beautician / a barber with the experience, it is actual condition that it "occupies the big weight in everyday life that the permanent which meets one's preference without choosing the when and where can be written".

Now, it changes for the so-called heat wave method the permanent wave heats hair conventionally, and to perform, and structure of the hair is changed using reduction / oxidative reaction with the medicine, and the cases by the cold wave method to form a wave are often found today.

The permanent by the said cold wave method has some method, but it is 2 bath formula cold waves that there is the most, and is used by the method by the cold wave.

Said 2 bath type cold wave uses 1 liquid as the reducing agent, reductant and 2 aqua as the oxidizing agent.

When said 1 liquid, wave formation method with the 2 liquid are easily described, coil itself around curling rod, and hair is fixed in rubber band, and reduction action works, and

so-called cystine bond is cut by hair when 1 aqua is applied to said hair wound around, and the hair loses resilience.

Thus, the hair wound around is wound with stable condition without being going to return to an original lissotrichia state.

In this state, said cut cystine bond is made to recombine by oxidative effect of 2 aqua with the molecules condition that was able to be dragged nearby when 2 liquid is applied next.

A wave is formed to hair, and it is thereby returned to the hair full of original elasticity.

Instead of, on the pretence of a 1 bath type, 1 aqua as the above 2 bath-type reducing agent, reductant and aqua of the about the same component are used elsewhere, and using oxidizing agent of 2 aqua, there is method to use natural oxidation by the atmospheric oxygen.

However, because oxidation is made in the case of this method gently, reduced condition of the hair gets longer, and it is actual condition that is not used too much because there is issue to be easy to damage said hair.

Also, though the category of the above 2 bath type cold wave is entered, after having applied the first aqua to hair, heat 60 degrees Celsius or less is provided using hair steam, and the warming—type method to promote the reaction of the medicinal solution by heat is known.

And, in both above-mentioned method, a thing called synthetic resin curling rod (called following merely rod) made is used as goods winding up hair for wave formation, and a thing of various kinds of bulk and configuration is provided by position or the bulk of the wave winding up hair.

It is finished in the hair style that a beautician / a barber responded to personal demands using these rod and said reducing agent, reductant, oxidizing agent.

[the interval title point that an invention is going to solve] However, in said rod,

- (1) Because 1 liquid as the reducing agent, reductant and 2 liquid as the oxidizing agent were applied as liquid, it flowed out, and those aqua attached to scalp, a face, a neck, and there were problems that there was the danger to catch sight of.
- (2) Particularly, because it was a material noxious essentially, it was red, and it could be put to skin and hair including the thioglycollic acid which was base resin of the 1 liquid, and it could be put on, and skin reaction might be caused.
- (3) With 1 liquid as the reducing agent, reductant and 2 aqua as the oxidizing agent, there was agony to apply one by one each time.

Therefore, considerable mastery of skills is needed to take a permanent wave, and that it is with big difference in hurt of the hair for the period when the wave suffers by the skill,

and it appears is pointed out.

It is to provide the permanent apparatus which the present invention defeats the actual condition which mentioned above, and invention was done to deal with issue such as the statement above, and the intended place is hard to enter the scale division without cold wave aqua attaching to scalp, a face, a neck and even the amateur whom there is not of the experience can easily write permanent.

MEANS TO SOLVE THE PROBLEM

And, in the surface of reticular barrel, adhesion forms the reducing agent, reductant which added an alkaline agent to ammonium salts of the thioglycollic acid, and the permanent apparatus of the present invention as the measure to achieve said object disposes the oxidizing agent such as bromic acid salines in a pipe of the above stock work barrel, and it is than the assembling which said oxidizing agent came out to outside of stock work barrel after above reducing agent, reductant was used.

Here, the foraminiferous barrel is provided in a pipe of the reticular barrel fixedly, and inside and outside double pipe is formed, and the rotatable barrel container is provided to the hoop direction of the barrel, and the aperture which it is equal to the aperture of said foraminiferous pipe, and communicates with a surface of said barrel container is provided in the inside of said wall barrel, and said barrel container is turned to the hoop direction, and the aperture of said barrel container is blocked up with wall surface of said foraminiferous barrel, and, in said assembling, assembling to deliver oxidizing agent with the aqueous solution of the bromic acid saline to with compression condition in said barrel container usually has.

Also, for rope-shaped barrel, product made in synthetic resin stock work barrel is used, and it has, and each mesh of said stock work barrel is blocked up with reducing agent, reductant, and it is done with the assembling which reducing agent, reductant integrally attaches to in net face, and barrel having a lot of ostium for also foraminiferous barrel is used, and the aperture of the barrel container surface also has an aperture equal to said ostium and done assembling.

OPERATION

And, when hair is rolled up in apparatus (rod), in the case of the formation of the cold wave of the permanent, the permanent apparatus of the present invention is used.

That is, when reducing agent, reductant attaches to face, and the apparatus which maintained oxidizing agent inside is rolled up in apparatus after it is fascicular, and a beautician / a barber takes the hair after normal blocking (division of the whole hair) by hand, and it is preferable, and having combed with a comb, hair touches reducing agent, reductant in the surface of apparatus (and said reducing agent, reductant melts through

heat or moisture content), and reduction action is performed.

Cystine bond is cut, and the hair loses resilience, and medicine such as the thioglycollic acid as the reducing agent, reductant attaches to scalp, a face, others, and it thereby acts not to catch sight.

Then, it begins to flow to the reticular barrel side so that the oxidizing agent in the reticular pipe spouts out, and reducing agent, reductant seeps from wall to hair wound around rod through removed mesh by above reduction action more, and a permanent wave is formed by making cystine recombined by oxidative effect by said oxidizing agent.

As above, the permanent apparatus of the present invention makes reducing agent, reductant disposition / one in the surface of reticular barrel of said apparatus, and, in this respect, rod and a permanent wave differ from conventional permanent apparatus becoming completely separate, and permanent comes to be easily hung even to the amateur whom there is not of not only the inexperienced beautician / barber but also the experience by this difference, and utilization for time, reduction of the cost are planned, and, with the assembling which disposed oxidizing agent to do hair done in reduced condition inside by reducing agent, reductant of said barrel in oxidation state and the thing which did, it has high apparatus of the value and advantage that it is for the person desiring the permanent that it is easy earnestly very.

EXAMPLE

As follows, referring to Fig. face, a description is made first of the embodiment which realized the present invention.

Here, figure is section showing one embodiment of the present invention.

The permanent apparatus of the present embodiment disposes foraminiferous hollow cylinder 2 inside of reticular hollow cylinder 1, and hollow cylinder container 3 is disposed inside of foraminiferous hollow cylinder 2, and reducing agent, reductant 4 is made disposition / one in the surface of reticular hollow cylinder 1, and it is also with the assembling which enclosed oxidizing agent 5 inside of hollow cylinder container 3.

Reticular hollow cylinder 1 is made by synthetic resin, and it is the hollow cylinder that it is than a net body comprising some resilience / flexibility.

Note that, here, the reticular barrel is not meaning limited to common reticular barrel, and it is the general idea that the barrel having a lot of apertures includes.

And, the foraminiferous hollow cylinder 2 disposed inward is made by synthetic resin, and large number of ostium 6,6... is formed in the face.

Foraminiferous hollow cylinder 2 separates some annulus 8 inside of reticular hollow cylinder 1, and it is provided for of the kindred spirit and anchoring, and it is formed in inside and outside double pipe, and it is with assembling.

Hollow cylinder container 3 is engaged inside of foraminiferous hollow cylinder 2 rotatably by the circumferential direction, and ostium 7,7... communicating in line with each ostium 6,6... of foraminiferous hollow cylinder 2 is formed.

And, as for hollow cylinder container 3, it is dammed up ostium 7,7... of hollow cylinder container 3 in wall surface of foraminiferous hollow cylinder 2 by turning in the direction.

And it is turned from condition blocked up, and ostium 7,7... of hollow cylinder container 3 is equal to each ostium 6,6... of foraminiferous hollow cylinder 2.

Thus, hollow cylinder container 3 is designed in axis direction to foraminiferous hollow cylinder 2 fixedly.

Bank of hollow cylinder container 3 is provided with recess 9,9 for rotation.

Reducing agent, reductant 4 disposed in the surface of reticular hollow cylinder 1 is said to be so-called 1 liquid, but the thing which added an alkaline agent to an ammonium salt of the thioglycollic acid in the present embodiment is used, and, more particularly, it is with composition proportion (it is mixed with binders as needed, and is kneaded) concentration 2.0-7.0% of the thioglycollate salt, lower than alkali 7.0mL, lower than sulfide 0.6mL, lower than dithio diglycolic acid 0.5%, arsenic 5ppm or less and iron 2ppm or less.

However, reducing agent, reductant consisting of other assembling may be used.

And, reducing agent, reductant 4 blocks up the mesh of reticular hollow cylinder 1 made by synthetic resin, and adhesion (it usually attaches in a dry state or semidry state) is considered to be in net face.

It is usual, and 2 aqua is said to be to 1 said aqua, and oxidizing agent 5 enclosed within hollow cylinder container 3 uses the aqueous solution which is lower than sodium bromate 3.5%, heavy metal 20ppm or less in the present embodiment, and it is enclosed with compression condition within hollow cylinder container 3.

However, other oxidizing agent may be used.

And, while because it is adapted is sealed up, and to be shipped to product made in synthetic tree resin transparence bag (not shown) in factory output, as for the permanent apparatus of the present embodiment, a beautician / a barber takes out rod from the bag on the occasion of application, and it is fascicular, and taking the hair in a finger appropriately, after it is preferable, and having combed with a comb, coil itself around rod, and said hair is fixed in rubber band when it is wound off to bottom of said hair, and this operation is performed sequentially, and vinyl cap is poured over head after an end, and it is taken off in 10–15 minutes.

Then it acts reticular hollow cylinder 1 surface demineralization is in a state or hair touches reducing agent, reductant 4 of the dry state, and reduction action is performed, and the result that does not release temperature, air in the cap are warmed by above vinyl cap, and absorption to hair of reducing agent, reductant 4 is hastened for the temperature

heat and to prevent radiation of reducing agent, reductant 4 alkali.

Also, reducing agent, reductant is dissolved by giving moisture content as needed, and hair is touched.

Cystine bond is cut effectively, and the hair loses resilience, and, in addition, scalp, a face attach, and medicine such as the thioglycollic acid as the reducing agent, reductant thereby acts not to catch sight.

Then, thumbnails are inserted in recess 9 of cylindrical vessel 3, and cylindrical vessel 3 is turned to the hoop direction of the rod, and it begins to blow, and a solution of oxidizing agent 5 which enters container 3 with compression condition when it makes ostium 6,6... of foraminiferous hollow cylinder 2 of the outside and ostium 7,7... of cylindrical vessel 3 be equal to flows out of continuous hole 6,7 to 1 stock work hollow cylinder side, and reducing agent, reductant 4 seeps from wall to hair wound around rod through removed mesh by above reduction action more.

It makes cystine recombine by oxidative effect by said oxidizing agent 5, and a permanent wave forms.

And, permanent apparatus of the present embodiment usually assumes throwaway of the application once.

Note that, the thing which it is transformed as far as the present invention is not limited to the embodiment, and the point of the present invention is not changed, and can be performed is included.

By the way, in the embodiment, a thing of the thioglycollic acid base resin was shown as oxidizing agent, but the thing of the cystine base resin may be used.

Also, for rod (apparatus), hair holding clip (when it is than assembling having a plurality of apertures, can lose does network, the other words like the main body of rod, and it is usually formed) shall be provided in the main body of rod and is preferable as the assembling that disposition (application or adhesion) did reducing agent, reductant in face (front and back both sides or list face or the right side and the wrong side side) of said clip.

Even more particularly, it is not limited to an aqueous solution-shaped thing for form of the oxidizing agent to enclose in pipe container, and gas, a solid thing are adopted, and the thing that is preferable as assembling egesting mechanically is apparent.

Even more particularly, as constitution to dispose oxidizing agent, it was described with the thing which it had with barrel and the container which had an aperture, respectively, and was formed in the statement above embodiment, but if the assembling which removed said sealant is said in the other words when it is disposed through sealant in the inside of the stock work barrel, and oxidizing agent is egested, later said oxidizing agent using the reducing agent, reductant should be assembling to do such as blow down.

EFFECT OF THE INVENTION

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It has effect to be hard to enter the scale division without not only quick activity can be performed according to the permanent apparatus of the present invention to be clearer than the above-mentioned description because reducing agent, reductant does not have and to apply oxidizing agent one by one, but also it flows out, and reducing agent, reductant as the cold wave aqua and oxidizing agent attaching to scalp, a face, a neck.

Thus, because permanent comes to be easily hung in not only the inexperienced beautician but also the amateurs without the experience, according to the permanent apparatus of the present invention, utilization for time, reduction of the cost are planned, and it has high potato apparatus of the value and effect that it is for the person desiring the permanent that it is easy earnestly very by using permanent apparatus of the present invention.

Also, that it is easy to be wound to wind hair around reticular barrel, there is an incidental effect.

4.

BRIEF DESCRIPTION OF DRAWINGS

Figure is section showing one embodiment of the present invention.

- 1. A reticular hollow cylinder
- 2. An effective hollow cylinder
- 3. Hollow cylinder container
- 4. Reducing agent, reductant
- 5. Oxidizing agent

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客查請求 未請求 (全 頁)

❷考案の名称

パーマネント器具

②実 順 昭62-166950

藺 昭62(1987)10月30日

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1. 考案の名称

パーマネント器具

- 2. 実用新案登録請求の範囲
- (1)網状筒体の表面に、チオグリコール酸のアンモニウム塩などにアルカリ剤を加えた還元剤を付着形成し、上記網状筒体の内側に臭素酸塩類などの酸化剤を配設し、上記還元剤が使用された後に該酸化剤が網状筒体の外側にでてくるようにしたことを特徴とするパーマネント器具。
- (2)網状筒体の筒内に有孔筒体を固定的に設けて内外二重筒を形成し、該内側筒体の内部に同筒体の周方向に回転自在な筒体容器を設け、該筒体容器の周面に上記有孔筒体の孔に合致して連通する孔を設け、該筒体容器を周方向に回転させて該筒体容器の孔を上記有孔筒体の壁面で寒ぐようにすると共に、該筒体容器内に臭素酸塩類の水溶液による酸化剤を圧縮状態で納入してなる実用新案

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- (3)網状筒体が、合成樹脂製もしくは金属製網 状筒体であり、該網状筒体のそれぞれの網目を還 元剤で寒ぎ、該還元剤を網表面に付着・一体化し たものである実用新案登録請求の範囲第1項に記 載のパーマネント器具。
- (4) 有孔筒体が、多数の小孔を有する筒体であり、また筒体容器周面の孔が、該小孔に合致する孔である実用新案登録請求の範囲第2項に記載のパーマネント器具。
- 3. 考案の詳細な説明

〔産業上の利用分野〕

本考案は、パーマネント・ウェーブを形成すためのパーマネント器具に係り、より詳細には、パーマネント・ウェーブの形成方法として現在用いられているコールド・ウェーブにおける還元剤(換言すれば、パーマネント剤・液)をロッド表面に一体化させ、且つロッドの内部に酸化剤を保持させたパーマネント器具に関する。

〔従来の技術〕

今日では、パーマネントをかけることは、性別

を問わず広く行われている。また、パーマネントは、従来の女性の髪形を美しく整えるという目的から、ナチュナルなウェーブを作り出して、より自然な髪の毛の状態を得る人も増えている。

しかし、パーマネントをかけることは、長時間を必要とし、多忙な現在人にとっては、この時間を見い出すことは、難しいことである。さらに、パーマネントは経験のある美容師・理容師にしかかけられないとされているため、「時と場所を選ばず、自分の好みにあうパーマネントをかけることは、日常生活のなかで、大きなウェイトを占めている。」というのが現状である。

ところで、パーマネント・ウェーブは、従来のように頭髪を加熱して行う所謂ヒート・ウェーブ 法に変わって、今日では、薬剤による還元・酸化 反応を利用して頭髪の構造を変え、ウェーブを形 成するコールド・ウェーブ法による場合が殆どで ある。

該コールド・ウェーブ法によるパーマネントに も幾つかの方法があるが、コールド・ウェーブに

よる方法で最も多く用いられているのは、2浴式コールド・ウェーブである。該2浴式コールド・ウェーブは、還元剤としての1液と酸化化剤としての2液を使用して行っている。該1液、2膜をしてがあると、ではがあると、ではがからなが、ではではではでするとではでする。ではではではでする。ではではできると、ではではではですると、ではではですると、ではではですると、ではではできると、ではではですると、ではではできると、ではないでは、これによって頭髪にかって、いの弾力に富んだ毛に戻される。これによって頭髪にかる。これによって頭髪にかる。これによって頭髪にかる。これによって頭髪にかる。これによって頭髪にかって、元の弾力に富んだ毛に戻される。

他に1浴式と称して、上記2浴式の場合の還元 剤としての1液とほぼ同じ成分の液を用い、2液 の酸化剂を用いる代わりに、空気中の酸素などに よる自然の酸化を利用する方法がある。しかし、 この方法の場合は、酸化が緩やかに行われるため に、頭髪の還元状態が長くなり、該頭髪を傷めやすいという問題があるため余り使用されていないのが現状である。

また、上記 2 浴式コールド・ウェーブの範疇に入るけれども、第 1 液を頭髪に塗布した後、ヘアスチーム等を使用して 6 0 ℃以下の熱を与え、熱によって薬液の反応を促進させる加温式の方法も知られている。

そして、上述のいずれの方法にあっても、ウェーブ形成のため頭髪を巻く用具として、合成樹脂製のカーリング・ロッド(以下単にロッドという)というものが使用され、頭髪を巻く位置やウェーブの大きさなどによって種々の大きさや形状のものが提供されている。

これらのロッドと上記還元剤、酸化剤などを使用して美容師・理容師が個人の要望などに応じた ヘヤースタイルに仕上げてゆくものである。

〔考案が解決しようとする問題点〕

しかし、上記のようなロッドでは、

① 還元剤としての1液および酸化剤としての2

液を液体のまま塗布するので、それらの液が頭皮 、顔面、首すじなどに流れ出して付着したり、目 に入る危険性もあるという問題点があった。

- ② 特に、1液の主剤であるチオグリコール酸など、皮膚や頭髪に対して本質的に有害な物質であるので、赤くはれたり、かぶれたりして皮膚障害を引き起こすことがあった。
- ③ 還元剤としての1液および酸化剤としての2液を、その都度、いちいち塗布する煩わしさがあった。

そのため、パーマネント・ウェーブをかけるためには、相当の熟練を要し、その熟練度によって、①ウェーブのかかっている期間、②頭髪の傷み等において、大きな差となって現れることが指摘されている。

本考案は、前述したような現状を打破すると共に、上述のような問題に対処するため創案したものであって、その目的とする処は、コールド・ウェーブ液が頭皮、顔面、首すじなどに付着せず、目にも入りにくく、かつ、経験のない素人でも簡

単にパーマネントをかけることができるパーネント器具を提供することにある。

[問題点を解決するための手段]

そして、上記目的を達成するための手段としての本考案のパーマネント器具は、網状筒体の表面に、チオグリコール酸のアンモニウム塩などにアルカリ剤を加えた還元剤を付着形成し、上記網状筒体の筒内に臭素酸塩類などの酸化剤を配設し、上記還元剤が使用された後に該酸化剤が網状筒体の外側にでてくるようにした構成よりなる。

ここで、上記構成において、通常、網状簡体の 筒内に有孔筒体を固定的に設けて内外二重筒を形成し、該内側筒体の内部に同筒体の周方向に回転 自在な筒体容器を設け、該筒体容器の周面に上記 有孔筒の孔に合致して連通する孔を設け、該筒体容器の孔に合致して連通する孔を設け、該筒体容器の孔を高方向に回転させて該筒体容器の孔を上記 存器を周方向に回転させて該筒体容器の孔を上記 存器内に臭素酸塩類の水溶液による酸化剤を圧縮 状態で納入するように、合成樹脂製網状筒体を用い

、該網状筒体のそれぞれの網目を還元剤でもって 寒ぎ、網表面に還元剤を一体付着するようにした 構成とし、また有孔筒体としては、多数の小孔を 有する筒体を用い、また筒体容器周面の孔が該小 孔に合致する孔とした構成としている。

(作用)

出するように網状筒体側へ流れ出し、更に、上記 還元作用で還元剤が除去された網目を通ってロッ ドに巻きつけられた髪に内側から浸透し、該酸化 剤による酸化作用によってシスチンを再結合させ ることで、パーマネント・ウェーブを形成する。

〔実施例〕

以下、図面を参照しながら、本考案を具体化し

た実施例について説明する。

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ここに、図は本考案の一実施例を示す断面図である。

本実施例のパーマネント器具は、網状円筒体1 の内側に有孔円筒体2を配設すると共に、有孔円 筒体2の内側に円筒体容器3を配設し、網状円筒 体1の表面に還元剤4を配設・一体化し、また円 筒体容器3の内部に酸化剤5を封入した構成となっている。

網状円筒体1の表面に配設されている還元剤4は、所謂1液と言われるものであるが、本実施例では、チオグリコール酸のアンモニウム塩にアルカリ剤を加えたものを用い、より詳細には、チオグリコール酸塩の濃度が2、0~7、0%、アルカリ7、0元以下、硫化物0、6元以下、ジチオジグリコール酸0、5%以下、砒素5ppm以下および鉄2pp

m 以下の組成割合(必要に応じて、バインダー等 に混合・混練されている)となっている。しかし 、他の構成よりなる還元剤をもちいてもよい。そ して、還元剤 4 は、合成樹脂製網状円筒体1の網 目を寒いで網表面に付着(通常、乾燥状態、ある いは半乾燥状態で付着)されている。

円筒体容器 3 内に封入されている酸化剂 5 は、 通常、上記 1 液に対し 2 液と言われ、本実施例では、臭素酸ナトリウム 3、5 %以下、重金属 20 ppm 以下の水溶液を用いていて、円筒体容器 3 内に圧 縮状態で封入している。しかし、他の酸化剤を用 いてもよい。

そして、本実施例のパーマネント器具は、工場 生産で合成樹脂製透明袋(図示せず)に密封され て出荷されるようになっているので、使用に際し ては、美容師・理容師等がその袋からロッドを取 り出し、適宜手指で顕髪を束状に取りつつ櫛で良 く梳かした後、該頭髪をロッドに巻きつけ、該頭 髪の根元まで巻き取ると輪ゴム等で固定し、順次 、この操作を行い、終了後ビニール・キャップを その後、円筒容器3の凹所9に親指の爪などを 差し入れて、円筒容器3をロッドの周方向に回転 させ、外側の有孔円筒体2の小孔6、6・・・と 円筒容器3の小孔7、7・・・とを合致させると 容器3内に圧縮状態で入っている酸化剤5の溶液 が連通孔6、7から噴出して網状円筒体1側へ流

れ出し、更に、上記還元作用で還元剤 4 が除去された網目を通ってロッドに巻きつけられた髪に内側から浸透していく。該酸化剤 5 による酸化作用によってシスチンを再結合させ、パーマネント・ウェーブが形成する。

そして、本実施例のパーマネント器具は、通常 、一回使用の使い捨てとする。

 水溶液状のものに限るものでなく、気体、固体状のものを採用し、例えば機械的に排出するようさらいた構成としてもよいことは明らかである。 さめに、酸化剤を配設する構成としてが、足容器とでもってが、それぞれ孔を有する6体と容器とでもって形成したもので説明したが、網状筒体の内でいたが、できないでででは、酸化剤を排出であるでは、遠元剤を使用した後に該酸化剤が排出等する構成であればよい。

(考案の効果)

以上の記載より明らかなように、本考案のパーマネント器具によれば、還元剤および酸化剤をいち塗布する必要がないので迅速な作業がおこなえるばかりでなく、コールド・ウェーブ液としての還元剤ならびに酸化剤が頭皮、顔面、首すじなどに流出して付着したりせず、目にも入りにくいという効果を有する。

従って、本考案のパーマネント器具を使用する ことにより、経験の浅い美容師のみならず、経験

のない素人でも簡単にパーマネントがかけられるようになるので、本考案のパーマネント器具によれば、時間の有効利用、経費の節減が図られ、簡単なパーマネントを切望している人にとっては、非常に価値の高いも器具となるという効果を有する。また、網状筒体に髪を巻きつけるものであるため巻きつけ易いという付帯効果がある。

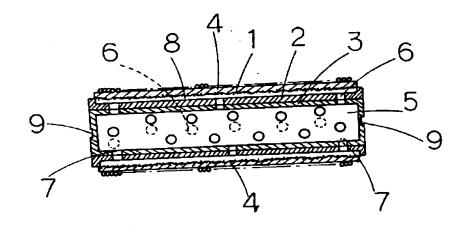
4. 図面の簡単な説明

ζ.

図は本考案の一実施例を示す断面図である。

1 · · · 網状円筒体、2 · · · 有効円筒体、3 · · · 円筒体容器、4 · · · 還元剤、5 · · · 酸化剂

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